CLAIMS

1. A security system comprising:

a control device for performing a predetermined coping action when an abnormality is detected in a monitored area;

an outing motion detection sensor for detecting actions of a non-monitored person when leaving the monitored area; and

a non-monitored person detecting sensor for detecting the non-monitored person in the monitored area,

the control device including:

mode switching means for switching between an alert mode with which the coping action is performed if the abnormality is detected in the monitored area and a non-alert mode with which the coping action is not performed; and

mode switching reminder means for causing a remote alarm device located at a remote place to present mode change reminder information, when the outing motion detection sensor detects that the non-monitored person has left the monitored area, the non-monitored person detecting sensor does not detect any other non-monitored person, and the non-alert mode has been set.

2. A security system comprising:

a control device for performing a predetermined coping

action when an abnormality is detected in a monitored area;

an outing motion detection sensor for detecting actions of a non-monitored person when leaving the monitored area; and

a plurality of non-monitored person detecting sensors for detecting the non-monitored person in the monitored area,

the control device including:

mode switching means for switching between an alert mode with which the coping action is performed if the abnormality is detected in the monitored area and a non-alert mode with which the coping action is not performed;

a storage section for storing initial state data that indicates initial states of the non-monitored person detecting sensors in the alert mode;

initial state detection means for detecting a matching between detection states of the non-monitored person detecting sensors and the initial state data; and

mode switching reminder means for causing a remote alarm device located at a remote place to present mode change reminder information, when the outing motion detection sensor detects that the non-monitored person has left the monitored area, the detection states of the non-monitored person detecting sensors are matched with the initial state data, and the non-alert mode has been set.

3. A security system comprising:

a control device for performing a predetermined coping action when an abnormality is detected in a monitored area; and

an outing motion detection sensor for detecting actions of a non-monitored person when leaving the monitored area,

the control device including:

mode switching means for switching between an alert mode with which the coping action is performed if the abnormality is detected in the monitored area and a non-alert mode with which the coping action is not performed; and

mode switching reminder means for causing a remote alarm device located at a remote place to present mode change reminder information, when the outing motion detection sensor detects that the non-monitored person has left the monitored area, and the non-alert mode has been set.

4. The security system according to claim 3, wherein:

the outing motion detection sensor is provided so as to detect actions of the non-monitored person who passes an exit of the monitored area from the inside of the monitored area to the outside.

5. A security system comprising:

a control device for performing a predetermined coping

action when an abnormality is detected in a monitored area; and

a non-monitored person detecting sensor for detecting the non-monitored person in the monitored area,

the control device including:

mode switching means for switching between an alert mode with which the coping action is performed if the abnormality is detected in the monitored area and a non-alert mode with which the coping action is not performed; and

mode switching reminder means for causing a remote alarm device located at a remote place to present mode change reminder information, when the non-monitored person detecting sensor detects no non-monitored person, and the non-alert mode has been set.

6. A security system comprising:

a control device for performing a predetermined coping action when an abnormality is detected in a monitored area; and

a plurality of non-monitored person detecting sensors for detecting the non-monitored person in the monitored area,

the control device including:

mode switching means for switching between an alert mode with which the coping action is performed if the abnormality is detected in the monitored area and a non-alert

mode with which the coping action is not performed;

a storage section for storing initial state data that indicates initial states of the non-monitored person detecting sensors in the alert mode; and

initial state detection means for detecting a matching between detection states of the non-monitored person detecting sensors and the initial state data; and

mode switching reminder means for causing a remote alarm device located at a remote place to present mode change reminder information, when the detection states of the non-monitored person detecting sensors are matched with the initial state data, and the non-alert mode has been set.

7. The security system according to claim 6, wherein:

the control device further includes initial state data accumulative storing means for, when switching to the alert mode is carried out in accordance with an instruction from a user, storing, in the storage section, the initial state data in which the detection states of the non-monitored person detecting sensors at the time of the switching to the alert mode or after a predetermined period has elapsed from the switching to the alert mode are associated with the accumulative frequencies of the detection states, and

the initial state detection means compares a pattern of the detection states of the non-monitored person detecting

sensors with highest accumulative frequency patterns, the number of which is predetermined, in the initial state data stored in the storage section, so as to detect a matching therebetween.

8. The security system according to any one of claims 1 through 7, wherein:

the remote alarm device includes remote-switching instruction input means for the user inputting a mode switching instruction to the alert mode, and

the mode switching means of the control device switches to the alert mode in accordance with the mode switching instruction received from the remote alarm device.

9. A security system comprising:

a control device for performing a predetermined coping action when an abnormality is detected in a monitored area;

an outing motion detection sensor for detecting actions of a non-monitored person when leaving the monitored area; and

a non-monitored person detecting sensor for detecting the non-monitored person in the monitored area,

the control device including:

mode switching means for switching between an alert mode with which the coping action is performed if the

abnormality is detected in the monitored area and a non-alert mode with which the coping action is not performed,

the mode switching means automatically switching to the alert mode when the outing motion detection sensor detects that the non-monitored person has left the monitored area, the non-monitored person detecting sensor does not detect any other non-monitored person, and the non-alert mode has been set.

10. A security system comprising:

a control device for performing a predetermined coping action when an abnormality is detected in a monitored area; and

an outing motion detection sensor for detecting actions of a non-monitored person when leaving the monitored area;

the control device including:

mode switching means for switching between an alert mode with which the coping action is performed if the abnormality is detected in the monitored area and a non-alert mode with which the coping action is not performed,

the mode switching means automatically switching to the alert mode when the outing motion detection sensor detects that the non-monitored person has left the monitored area, and the non-alert mode has been set.

11. A security system comprising:

a control device for performing a predetermined coping action when an abnormality is detected in a monitored area; and

a plurality of non-monitored person detecting sensors for detecting the non-monitored person in the monitored area,

the control device including:

mode switching means for switching between an alert mode with which the coping action is performed if the abnormality is detected in the monitored area and a non-alert mode with which the coping action is not performed;

a storage section for storing initial state data that indicates initial states of the non-monitored person detecting sensors in the alert mode; and

initial state detection means for detecting a matching between detection states of the non-monitored person detecting sensors and the initial state data,

the mode switching means automatically switching to the alert mode, when the detection states of the non-monitored person detecting sensors are matched with the initial state data, and the non-alert mode has been set.

12. The security system according to claim 10 or 11, further comprising:

mode switching report means for causing a remote alarm

device located at a remote place to present mode change report information, when the mode switching means automatically switches to the alert mode.

13. A control device being a component of the security system according to any one of claims 1 through 12.

14. A remote alarm device being a component of the security system according to any one of claims 1 through 12.

15. The remote alarm device according to claim 14 being a portable telephone.

16. The remote alarm device according to claim 14 being integrated with a key for the exit of the monitor area.

17. The remote alarm device according to claim 14 being integrated with a remote-key to a car.

18. A control method for a security system which can switch between an alert mode with which a predetermined coping action is performed if the abnormality is detected in a monitored area and a non-alert mode with which the coping action is not performed,

the method comprising:

an outing motion detecting step of an outing motion detection sensor detecting actions of a non-monitored person when leaving the monitored area; and

a mode switching reminder step of causing a remote alarm device located at a remote place to present mode change reminder information, when the outing motion detection sensor detects that the non-monitored person has left the monitored area, and the non-alert mode has been set.

19. A control method for a security system which can switch between an alert mode with which a predetermined coping action is performed if the abnormality is detected in a monitored area and a non-alert mode with which the coping action is not performed,

the method comprising:

an initial state detecting step of detecting a matching between detection states of a plurality of non-monitored person detecting sensors and initial states of the non-monitored person detecting sensors in the alert mode, the non-monitored person detecting sensors each detecting a non-monitored person in the monitored area; and

a mode switching reminder step of causing a remote alarm device located at a remote place to present mode change reminder information, when the detection states of the non-monitored person detecting sensors are matched with the

initial states, and the non-alert mode has been set.

20. A control method for a security system which can switch between an alert mode with which a predetermined coping action is performed if the abnormality is detected in a monitored area and a non-alert mode with which the coping action is not performed,

the method comprising:

an outing motion detecting step of an outing motion detection sensor detecting actions of a non-monitored person when leaving the monitored area; and

an automatic switching step of automatically switching to the alert mode when the outing motion detection sensor detects that the non-monitored person has left the monitored area, and the non-alert mode has been set.

21. A control method for a security system which can switch between an alert mode with which a predetermined coping action is performed if the abnormality is detected in a monitored area and a non-alert mode with which the coping action is not performed,

the method comprising:

an initial state detecting step of detecting a matching between detection states of a plurality of non-monitored person detecting sensors and initial states of the

non-monitored person detecting sensors in the alert mode, the non-monitored person detecting sensors each detecting a non-monitored person in the monitored area; and

an automatic switching step of automatically switching to the alert mode, when the detection states of the non-monitored person detecting sensors are matched with the initial states, and the non-alert mode has been set.

22. A control program which operates the security system according to any one of claims 1 through 12, for causing a computer to function as each of the foregoing means.

23. A computer-readable storage medium storing therein the control program according to claim 22.